THE PATENT GALVANIZED IRON.
TUPPER and CARR.
Owners of Craufurd's Patents and Successors to
THE GALVANIZED IRON COMPANY.
Supply patent Galvanized Sheets, plain or corrugated, for roofing, &c., Water or Gas Pipes, Castings, Wire of all gauges, Guttering, Hooping, &c. Wholesale, retail, and for export.
An allowance to the trade.
WORKS—MILLWALL and BIRMINGHAM.
LONDON OFFICE, 3, MANSION-HOUSE PLACE.

THE PATENT
GALVANIZING & CORRUGATING IRON COMPANY.
JOHN SYMONDS and Co., Managers.
The Company having made considerable improvements in the mode of working CRAUFURD'S PATENTS, and being able to galvanize larger work than any firm, are consequently in a position to [illegible] unequalled, and [illegible] contractors, and others.
IRON HOUSES, plain or corrugated, [illegible] railway stations, &c.—fixed to order, if required [illegible] piping, guttering, &c., for home use and exportation.
N.B.—Goods to be galvanized, sent for and returned free of charge, within three miles of the Tower; and all goods received by Nine o'clock will be returned the same day, if required.
OFFICES—12, CIRCUS, MINORIES.
WORKS—GLASS-HOUSE-YARD, opposite the London Docks.
_ A discount allowed to the trade.

IRON BUILDING and ROOFING WORKS
BIRMINGHAM, late of Southwark.
JOHN H. PORTER,
Manufacturer of the Corrugated and other kinds of Iron Roofing for railway stations, carriage sheds, farm buildings, gas-works, warehouses, factories, &c. &c.
PATENTEE
Of the Corrugated Iron Beams, Girders, and Fire-proof Floors.

THE CORRUGATED and GALVANIZED IRON ROOF, PORTABLE BUILDING, AND NASMYTH'S PATENT FLOORING, ROOFING, AND GIRDER WORKS.
Offices, 62, Gracechurch-street.
JOHN WALKER, one of the Patentees of Corrugated Iron, calls the attention of Architects, Engineers, &c., to his list of Prices, which, consistently with good workmanship, are extremely low.
Models of the patent Iron Roofing, corrugated or flat, and girders; also, drawings of roofs, on peculiar principles, may be had on application.
Drawings of the Iron lighthouse spoken of in the Times and other papers, and the Expositor for February 8th, may be seen by application.
References to firms of the highest class can be given.

NASMYTH'S PATENT
WROUGHT-IRON Fire-proof Flooring.
JOHN WALKER, Sole Manufacturer and Licensee.
Offices, 62, Gracechurch-street.

FIRE-PROOF FLOORS.
The late lamentable accident in Gracechurch-street serves to prove that where cast-iron is the foundation on which floors, &c. are made, much dependence cannot be placed on it. This induces John Walker to earnestly solicit the attention and inspection of Architects, Engineers, &c. to Mr. G. NASMYTH'S PATENT FLOORING, of which J. W. is the sole licensee and manufacturer. The material is wrought iron, and therefore not subject to sudden fracture, as cast-iron is, and wood is not introduced.
Descriptive pamphlets may be had, models may be seen, and every information obtained, at JOHN WALKER'S OFFICES, 62, Gracechurch-street.

MANUFACTURER OF CORRUGATED IRON.
GALVANIZED IRON WORKS,
REGENT'S CANAL, LIMEHOUSE.
THOMAS AICHIN, late of the Galvanized Iron Works, Mill Wall, begs to inform his friends and the trade in general that his engagements with Messrs. Tupper and Carr have expired, and that he has now commenced business on his own account in premises situated as above.
T. A. having had upwards of eight years' practical experience in the galvanizing process, is in a position to execute orders to any extent, and in every description of galvanized iron work, including ships' fastenings, bolts, nuts, screws, corrugated and plain sheet-iron, wire, wire-work, and all kinds of iron work requiring to be preserved from rust.
Iron tanks of all sizes, and suitable to every purpose, supplied or galvanized.
_ A liberal discount to merchants, country [illegible], and the trade in general. All orders executed with punctuality and dispatch.

MOREWOOD and ROGERS' Patent Galvanized TINNED IRON, or Iron Tinned previously to being Galvanized.
ANDREW WHYTOCK, 40a, New Oxford-street, and Rose-street, Soho, begs to invite the attention of [illegible] Engineers, Architects, Contractors, and others, who have not hitherto resorted to this valuable metal, which fully accomplishes the object of the patent. It is suitable to all purposes for which iron not liable to rust is required, but for roofing, the erection of railway platforms, sheds, for the lining of arches and tunnels, for all Colonial and agricultural erections, &c. it is pre-eminently adapted, possessing all the advantages of wrought iron, while the iron being perfectly protected from decay, retains its pristine qualities, and consequently can be employed in the lightest and most economical form. This metal expands and contracts in a very slight degree, its bright surface refracting the sun's rays, and is therefore admirably adapted for arched and corrugated roofs.
Testimonials by direction of Admiralty order, and from engineers, architects, &c. &c., can be seen, testifying its excellence, lightness, economy, and great durability, and that even where in use upwards of eleven years, it has not lost the [illegible] of freshness. Pamphlets, containing a description of every use to which the metal can be applied, with plates, price lists, &c., can be obtained as above; and all parties are referred to the Surveyor of the Patentees, Mr. GEORGE MORGAN, 22, Parliament-street, who will furnish estimates, drawings, &c., with every other explanation, free of cost.

ARTESIAN WELLS, BORING for WATER, SINKING SHAFTS, &c.—The Nobility, Gentry, Water Companies, Towns, Manufacturers and others, requiring Water, may be supplied by DAVID GREENLEES, Civil Engineer, and Patentee of Boring Tools, 10, [illegible], Pentonville, London. Cast-iron Mains laid to any extent or diameter, for Gas or Water Companies. Men and Tools supplied [illegible] bore for rail roads, minerals, &c. Boring Tools and suitable Pipes for exportation, with instructions.

CHURCH and TURRET BELLS
cast to any weight, and tuned. Ship, plantation, house, sheep, cup, and clock bells of any size.

MUSICAL HAND BELLS
Tuned to the chromatic scale, with improved clappers and pegged on a new system which gives a superior tone and facility for ringing.
Memorial Brasses, Pulpit Lights, and Brackets, &c.
Old Bells recast or taken in exchange.

J. WARNER and SONS,
BELL FOUNDERS,
ENGINEERS, &c.

BENHAM and SONS' IMPROVED KITCHEN FITTINGS, as supplied by them to several of the principal Club-houses, Railway Hotels, Public Establishments, and Private Families, combining great efficiency and the utmost economy of fuel with perfect durability [illegible] most [illegible] the new [illegible] Ranges, Boilers, Stoves, [illegible] Hot-water [illegible] EXHIBITION [illegible] BRIGHT [illegible] SIDE [illegible] RANGE, and a large [illegible] at every gradation of price, from 5s. to 50l., at their MANUFACTORY and SHOW-ROOMS, 19, WIGMORE-STREET, CAVENDISH-SQUARE, LONDON.

TO BUILDERS, CARPENTERS, &c.—
The undermentioned are the PRESENT PRICES of IRONMONGERY, at YOUNG'S, 164, Oxford-street. Every other article equally low. Orders executed upon receipt of remittance or a respectable London reference.

	2	2½	3 Inches.	
Cast Butts	5s. 3d.	7s. 6d.	11s. per 6 dozens.	
Cut Clasp	[illegible]	7d.	[illegible]	[illegible] per [illegible]
Rain Pipe	8½d.	10½d.	1s. 1d. per yard.	

CLARK and HUNT'S IRONMONGERY, STOVE and METAL WAREHOUSE, 159, Shoreditch.

Improved Cottage Ranges, with Large Oven and Boiler	30	32	34	36 inch.
	[illegible]	[illegible]	[illegible]	[illegible]
Best Self-acting Ranges, with Oven and Back Boiler, Bright Wrought Bars	36	38	40	42 inch.
	54s.	56s.	60s.	63s.

Strong Elliptic Stoves, with Extra Back and Solid Bars, per inch, [illegible].
Register Stoves, with Solid Bars, per inch, 6d. Best Rotar, with Fire Brick Back, per inch, 10d.
Bright Stoves, with Two Fires, 50s. to 100s. each.

Cast Rain-water Pipe	2	2½	3 inch.
	9d.	10d.	1s. per yard.

Cast Gutters—4 inch, 8d. per yard.

O. G. Gutters	4	4½ inch.
	11d.	1s. per yard.

Best Cut Clasp and Rose	1½	1¾	2	2½	3 inch.
	14s. 6d.	14s.	13s. 6d.	13s.	13s. per cwt.

Sheet Flooring Brads, 11s. 6d. per cwt.
1-inch Cut Lath, 14s. Cast Lath, 8s. 6d.
6-inch 3-Bolt Rd. Ward Mortice, with best Furniture and Patent Spindles, 8s. 6d. Light Elliptic and Register Metal, 13s. per cwt.
Hot Water Pipes, 8s. 6d. per cwt.
Dr. Arnott's Ventilators, 5s. each.
An extensive stock of bar, rod, hoop, and sheet iron.
Clark and Hunt's Improved Glass Paper.

TO BUILDERS, CARPENTERS, CABINET MAKERS, &c.
JOHN DALE, 18 and 19, Chiswell-street, Finsbury-square, begs to inform the above Trades that he has now added the business of the late Mr. WILLIAMSON to his own old-established concern, and respectfully invites an inspection of his immense stock of ironmongery, which cannot be surpassed in London, every article being of the best quality and lowest possible prices:—

Elliptic Stoves, double backs, 3½d. per inch.
Register Stoves, 5d. 6d. 6½d. 7½d. per inch.
Self-acting Ranges, with circular ovens and back boilers, best wrought bars and bright fittings:—
3 ft., 2l. 16s.; 3 ft. 3 in., 3l. 6s.; 4 ft., 3l. 16s.
3-feet Cottage Ranges, with ovens and back boilers, 30s. each.
3-feet self-acting ditto, ditto, 38s. each.
Air Bricks, 2s. 6d. per doz.—1-inch Cut Lath Nails, 13s. 6d. per cwt.
Best Patent Cut Clasp.

1½	1¾	2	2½	3 inch and larger.	
14s. 6d.	14s.	13s.	12s. 6d.	12s. per cwt.	

Best Sheet Floor Brads, 11s. 6d. per cwt.
Best Town Glue, 50s. Ditto, Scotch, 52s. per cwt.
Best Patent Sash Line.

1	2	3	4	5	6
4s.	4s. 6d.	5s. 6d.	7s.	8s.	10s. 6d. per gross.

List of Prices had on application at the Warehouse, or by letter prepaid.

TO BUILDERS, CABINET-MAKERS, and OTHERS.
Best Cut Sheet Flooring Brads, 11s. 6d. per cwt.
Fine Cut Clasp and Rose.

14s. 6d.	14s. 6d.	13s. 6d.	13s.	12s. 6d. per cwt.
1½	1¾	2	2½	3 inch.

Cross Garnet Hinges, per dozen pair.

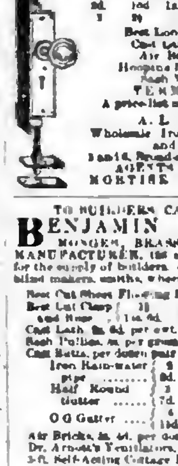
2s. 9d.	3s. 3d.	4s.	4s. 9d.	6s.	7s. 3d.
10	12	14	16	18	20 in.

Best Bright Tower Bolts, per doz.

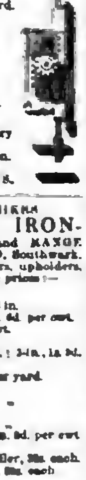
1s. 3d.	1s. 7d.	2s.	2s. 6d.	2s. 9d.	3s. 3d. 3s. 7d.
3	4	5	6	7	8 9 in.

Iron Rain-water Pipe.

8d.	10d.	1s. 1d.	1s. 3d.	1s. 8d. per yard.
2	2½	3	3½	4 inch.



Best London Glue, 48s. per cwt.
Cast Lath Nails, 10s. per cwt.
Air Bricks, 2s. 3d. per doz.
Hooping for band, 8l. 10s. per ton.
Sash Weights, 5s. per cwt.
TERMS—NET CASH.
A price-list may be had on application.
A. L. PFEIL and Co.,
Wholesale Ironmongers, Brass Foundry and Nail Warehouse,
3 and 4, Broad-street, Bloomsbury, London.
AGENTS FOR LEAN'S PATENT MORTISE LOCKS AND BOLTS.



TO BUILDERS, CARPENTERS, AND OTHERS.
BENJAMIN WALMSLEY, IRONMONGER, BRASSFOUNDER, STOVE and RANGE MANUFACTURER, 126 and 127, LONDON-ROAD, Southwark, for the supply of builders, carpenters, cabinet-makers, upholders, blind makers, smiths, wheelwrights, &c., at wholesale prices:—
Best Cut Sheet Flooring Brads, 11s. 6d. per cwt.

Best Cut Clasp and Rose	1½	1¾	2	2½	3 in.
	14s. 6d.	14s.	13s. 6d.	13s. 6d.	12s. 6d. per cwt.

Cast Lath, 8s. 6d. per cwt.; Sash Weights, 5s. per cwt.
Sash Pulleys, 4s. per gross.
Cast Butts, per dozen pair:—2-in., 10d.; 2½-in., 1s. 3d.; 3-in., 1s. 8d.

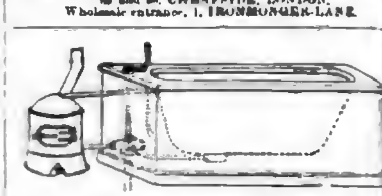
Iron Rain-water pipe	2	2½	3 in.
	8d.	10d.	1s. 1d. per yard.
Half Round Gutter	3	3½	4 in.
	7d.	7½d.	8½d.
O G Gutter	4	4½	5 in.
	11d.	1s.	1s. 4d.

Air Bricks, 2s. 4d. per dozen. Hooping for Bond, 8s. 6d. per cwt.
Dr. Arnott's Ventilators, 4s. 6d. each.
3-ft. Self-Acting Cottage Ranges, with Oven and Boiler, 30s. each.
3-ft. ditto, with Wrought Bars and Bright Fittings, 50s. each.
Register Stoves, with Double Backs, 5d. per inch.
Elliptic Stoves, with Double Backs, 3½d. per inch.
Bright Register Stoves, with Two Sets of Bars, from 3l. each.
An excellent variety of Black and Bright Register Stoves kept ready for use at all prices, to which the attention of architects and builders is respectfully invited.
A large assortment of Rim, Mortice, Dead Lock, Iron Gate, and other kinds of Locks and Latches. An extensive stock of neat and elegant Door Furniture, in Brass, Porcelain, Glass, and Fancy Woods.
Finger Plates, Levers, and Bell pulls en suite.
Bar, Hoop, Sheet and Rod Iron, and Spring Steel.
The stock of this establishment is too extensive to be described in the limits of an advertisement; and the most correct idea that can be given of it is by stating that every trade connected with ironmongery can have an order whatever they require at wholesale prices.
WALMSLEY'S, 126 and 127, LONDON ROAD, SOUTHWARK, six doors from the Obelisk.

NOIRSAIN'S VENTILATING GRATES and STOVES.—A long sought-for desideratum of [illegible] Economy in Fuel.—entire Prevention of Smoking [illegible] and Perfect Regulation of the Temperature [illegible] by the new Ventilating Grates, which [illegible] places.
[illegible] solicits the attention of the public and scientific men to his apparatus—the utility and superior advantages of which will be satisfactorily demonstrated at his Depôt, [illegible] REGENT-STREET, to any visitor. The highest testimonials given. Prices from Two Guineas upwards.

COOKING RANGES.—NICHOLSON'S PRIZE COTTAGE COOKING, and other GRATES, which obtained the premiums offered by the Royal Agricultural Society at the York and Exeter meetings, may be seen in Prince Albert's Model Houses in Hyde-park, in the Model Structure of the Society for Improving the Condition of the Labouring Classes in the Great Exhibition Building, and at his allotment there (No. 6, Class 5), where also are exhibited his recent improvements in large Cooking Grates, including the newly invented Cosmopolitan Cooking [illegible] or [illegible] of Kitchen Apparatus in one piece, and his [illegible] [illegible], &c., to [illegible] [illegible]. They may be [illegible] London, and of [illegible] [illegible]. [illegible] full particulars will be sent on application to the Manufacturer (inclosing two postage stamps), Newark-on-Trent. N.B. Intending purchasers of kitchen grates are earnestly requested in default of receiving satisfactory information, to apply to the manufacturer direct.

STOVES, RANGES, GAS FITTINGS, &c.
BENETFINK and COMPANY defy competition in the above articles, if durability, combined with elegance of design, is [illegible] to be the test of cheapness.
B. and Co. especially call the attention of Architects and Builders to their house, as they are admitted to have the largest and best selected stock of STOVES, RANGES, and GAS FITTINGS in the kingdom. Their stock contains Stephenson's Patent Kerosene Stoves, patent hemispherical ditto, patent coke ditto, and [illegible] pyramid ditto, the unrivalled Derby Kitchen Range, and every description of cooking apparatus. As a proof of their ability to furnish the mansion or the cottage they submit the following list of prices:—
Fine cast black Register Stoves, 3 feet wide, from 15s. to 25s.
Highly finished Drawing-room Stoves, from 6l. to 20 guineas.
Cottage Ranges, with boiler and self-acting oven, from 35s.
Improved Kitchen Ranges, with boiler, self-acting oven, and bright fittings, from 80s.
Very strong Kitchen Ranges with self-acting oven, best wrought iron steam boiler, bright fittings, and bright spit racks, from 10 to 18 guineas.
2 light, water slide, gas Chandeliers, from 30s.
3 light ditto ditto, from 3 to 12 guineas.
NOTE THE ADDRESS:—BENETFINK and COMPANY,
89 and 90, CHEAPSIDE, LONDON.
Wholesale entrance, 1, IRONMONGER-LANE.



BATHS.—J. TYLOR and SONS' REGISTERED APPARATUS, consisting of Copper or Galvanized Iron Bath ("japanned in imitation of [illegible] marble"), fixed in Frame complete, with Copper Circulating Boiler and Cock with Index-plate for the supply and waste [illegible]. This apparatus is complete in itself, and can be fixed without the assistance of bricklayer or carpenter. A warm bath can be ready for use in less than half an hour, at the cost of 2d. for fuel. [illegible] 16 guineas.—Apply to the Ironmongers and Plumbers, or the Manufacturers, J. TYLOR and SON, Warwick-lane, London.

HOT-WATER APPARATUS.—The attention of architects, builders, and others is respectfully requested to BENJAMIN FOWLER'S superior method of heating churches and chapels, halls, staircases, conservatories, forcing and green houses, manufactories and warehouses, kilns, rooms for drying timber, &c., and every variety of purpose for which artificial heat is required. Within the last twenty years some hundreds of buildings have been heated upon this plan, and the parties by whom they were executed are constantly expressing their satisfaction, also their willingness to vouch for their efficiency.
BENJAMIN FOWLER, late of 63, Dorset-street, removed to his new factory, Whitefriars-street, Fleet-street.

WARMING BY HOT WATER.—J. WEEKS and CO.'S HOT WATER APPARATUS may be seen in extensive operation on their premises, King's-road. [illegible] they have also erected their apparatus for various purposes throughout the kingdom; references can be given to almost every [illegible]. They beg particularly to refer to their own establishment, and also to that of Mr. Stockon's extensive carriage repository, [illegible]-street, Hyde-park-corner, where the apparatus may be seen in operation. Ornamental Pedestals and Stacks of Pipes in every variety, applicable for warming churches, mansions, [illegible], halls, offices, conservatories, &c.—TUBULAR BOILERS for [illegible] uses, warranted to be the most efficient and economical of any yet introduced.—J. WEEKS and CO., Hot Water Apparatus Manufacturers, King's-road, Chelsea.

TO BUILDERS AND FLORISTS.
IRON PIPES for hot-water circulation, with Boilers, Fittings, and every connection, at wholesale [illegible]. RAIN-WATER PIPES, eave and O G gutters, air bricks, [illegible] weights, and railing bars, STABLE FITTINGS, pumps, [illegible] columns, wrought-iron tubing and under-ground pipe of all [illegible], and on the above terms, at LYNCH WHITE'S, Old Barge [illegible] Wharf, Upper Ground-street, London.

CAST-IRON PIPES, IRON WORK FOR OVENS, &c.
RAIN PIPES, &c.—F. A. TIDDEMAN and Co., St. Ann's Wharf, Earl-street, City, near Blackfriars-bridge, keeps a large stock of Rain Pipes, Heads, Shoes, Elbows, &c., half round and O. G. Gutters, Socket Pipes for Water or Gas, Flanch Pipes, Sash Weights, and other Castings. [illegible] Work for Bakers' Ovens of every description, fitted complete, [illegible] be had in one or in parts.—Prices equal to all competition. Contracts taken to any extent. Goods landed. A powerful crane.

TO BUILDERS, IRONMONGERS, AND OTHERS.
RAIN-WATER PIPES, O G and Half-round Gutters, Sash-Weights, Railing Bars, Air Bricks, &c.
J. JONES, Iron Merchant, Iron-bridge Wharf, No. 6, Bankside, has the largest stock in London of the above and other castings of the very best quality. Also, cast-iron pipes for gas, water, or drainage; bends, tees, &c., flange and hot-water pipes, with the usual [illegible], lamp posts and retorts, stable fittings, [illegible] troughs, &c. &c.
Prices will be forwarded on application, which will be cheaper than any other house in London.
J. JONES, IRON MERCHANT, IRON-BRIDGE WHARF, No. 6, BANKSIDE, LONDON, near the Southwark Iron Bridge.

IRON HURDLES.—Great Reduction.—
For Sheep, 6 ft. long, 3 ft. above ground, five bars, 3s. 6d. each.
For Cattle ditto 3 ft. 9 in. ditto 5s. 6d. each.
Strained Wire Fence, 3 ft. 6 in. ditto, six wires, standards, 6 ft. apart .... 1s. 1d. per yard.
Ditto with Extra Strong Standards .... 1s. 3d. per yard.
Wove wire netting for excluding hares, rabbits, poultry, &c., various widths, 1d. per square foot and upwards; wrought and cast-iron palisading, gates, and ornamental garden fences of every variety. Oat and bean bruisers, with iron frame and best brass bearings and regulating screw, 4l. 4s. each. Chaff cutters of best construction, metallic framing, and three and two knives, to cut sixteen bushels per hour, 4l. 4s. each. Iron stable pumps, 45s. Wrought-iron wheelbarrows, 30s.
STEPHENSON and PHILL, 61, Gracechurch-street, City, and at the Manufactory, 17, New Park-street, Southwark.